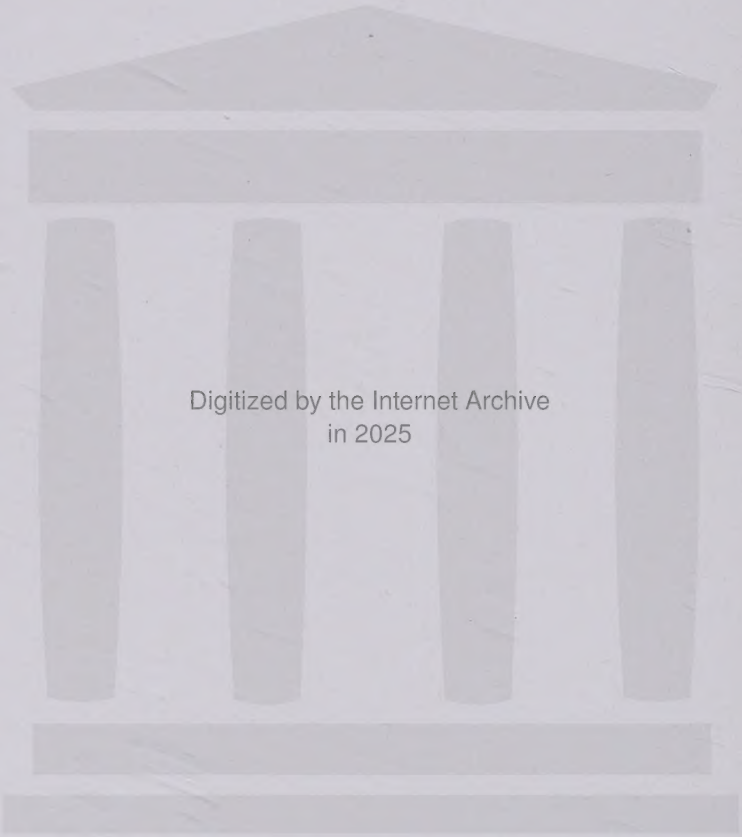
Contents and Subject Index

Pflanzenschutz-Nachrichten Bayer

Volume 1968



Digitized by the Internet Archive
in 2025

https://archive.org/details/bayer-cropscience-journal_1968_index-contents

Contents

Volume 1968

Page

Cramer, F., Gauß, D., and Eckstein, F.:
Synthesis of phosphoric esters of the nucleic acid type 45

Dräger, G.:
Gas chromatographic method for determining ®Bladafum residues in plants 355

Dräger, G.:
Gas chromatographic method for determining dichlorvos residues in plants and milk 373

Flucke, W.:
Preventive measures for the control of blowfly strike of wool sheep 92

Grewe, F.:
®Euparen (Dichlofluanid), a new polyvalent fungicide especially effective against grey mould (*Botrytis cinerea* Pers.) 147

Goeldner, H.:
Evaluation of ®Euparen in German vineyards 262

Huesmann, H.:
Expenditure for pesticides in relation to commercial fertilizers on farms of varying structure 381

Jarczyk, H. J.:
Gas chromatographic method for determining residues of ®Bidisin in plant material 360

Jarczyk, H. J.:
Colorimetric determination of propham (IPC) residues in plants and soil treated with a combination product containing ®Gatnon active ingredient and propham 366

Kaspers, H.:
Use of ®Euparen for the control of eye rot and storage rots 242

Kimmerle, G., and Lorke, D.:
Toxicology of insecticidal organophosphates 111

Kolbe, W.:
Effectiveness of different spray programmes for simultaneous control of scab, mildew and spider mites on pome fruit, and their influence on fruit yield and quality 170

Kolbe, W., and Kaspers, H.:
Evaluation of organic fungicides for the control of hop diseases, and their acaricidal side-effect 276

Lorenz, W., and Sasse, K.:
Gerhard Schrader and the development of organophosphorus compounds for crop protection 5

Möllhoff, E.:
Contribution to the question of residues and their determination in plants treated with ®E 605 and ®Agritox 327

Möllhoff, E.:
Metabolites of insecticidal organophosphates and their analytical determination in foods 396

Müller, H. W. K.:
Use of ®Euparen for control of grey mould *(Botrytis cinerea* Pers.) on strawberries 256

Scheinpflug, H., and Jung, H. F.:
Use of organophosphates for the control of fungal diseases of crops 79

Stendel, W.:
Control of cattle grubs with systemic insecticides 99

Stritzky, von, W.:
Evaluation of ®Euparen for its fungicidal effectiveness and plant tolerance on apples 221

Trägner-Born, J.:
Control of *Uromyces caryophyllinus* and *Tetranychus cinnabarinus* on carnations with new fungicides in Southern France 307

Unterstenhöfer, G.:
The importance of organophosphates to crop protection 53

Vogeler, K.:
Gas chromatographic method for determining residues of ®Hinosan in rice 317

Vogeler, K.:
U.V. spectroscopic method for determining residues in cereal grains treated with ®Voronit 322

Wäckers, R.:
Control of fungal diseases on horticultural crops with ®Euparen in Holland 302

Wirth, W.:
Organophosphates in medicine 107

Subject Index 1968

A

Acethion 129
Aëdes aegypti 24
®Agritox 30, 63, 128, 130, 133, 327—352
Aldrin 95, 96, 131, 386, 388
Alternaria solani 151
Amiton 37, 132
®Antracol 158, 180, 196, 197, 205, 213, 215, 233—236, 239, 240, 263—275, 277, 283—297, 309—315
Antracol + ®Morestan 196, 197, 205, 215, 233—236, 240
Antracol S 288, 289
Arsenic (arsenical preparations) 5, 95
®Asuntol 24, 32, 104, 112, 114, 115, 126, 129, 130, 133
Atrazin 385
Atropine 58, 103, 108, 118, 119, 121, 123, 132, 133, 134
Atropine sulphate 58, 103
Azinphos 386, 399, 400, 408, 409
Azinphos-ethyl 344
Azinphos-methyl 344
®Azodrin 348, 407

B

Barban 385, 386
Barbiturates 108
Barium polysulphide 386
Bayer 22 027
(Experimental Product 4687) 148
Bayer 47 531
(Experimental Product 5114) 148
Bayer 54 362 80
Bayer 64 037 86
Bayer 78 418 80
Bayer 80 833 327—352
®Baytex 26, 115, 121, 125, 128, 129, 130, 133
Benzene-thiophosphoric-O-ethyl-S-benzyl ester 83
Benzthiazuron 366, 367
®Bidisin 360—365
®Bidrin 344, 345, 403, 407
Binapacryl 182, 236, 237
Bisdithiocarbamates 156, 162
1-bis-(dimethylamino)-phosphoryl-5-amino-3-phenyl-1,2,4-triazole 83
1-bis-(dimethylamino)-phosphoryl-5-anilino-3-alkyl-1,2,4-triazole 84
®Bladafum 18, 65, 355—359
®Bladan 16
Bordeaux mixtures 16
Botrytis cinerea 147—165, 242, 245, 246, 256—261, 262—275, 276, 280—282, 283, 290, 296, 297, 302—305
Botrytis fabae 151
Bromophos 344—346

C

Calcium cyanamide 385, 389, 390
Calcium nitrate 197
Calliphoridae 92
Callitroga hominivorax (screwworm) 24
Carbamult 386
Carbaryl 386
Carbaryl + tetradifon 386
Carbophenothion 125—127, 132, 344, 400, 401, 407, 410
Captan 147, 148, 151, 153, 156, 157, 164, 180, 182, 192—197, 200, 203, 205, 206, 210—212, 215, 216, 222—240, 244—247, 251—253, 257, 262, 274
Captan + ®Euparen 228, 229, 232—235
Captan + ®Morestan 184, 195—197, 203, 205, 210—212, 215, 222—236, 239, 240
Captan + Morestan + ®E 605 Combi 211
Captan + Morestan + ®Gusathion MS 211
Captan + Morestan + ®Unden 211
Captan + wettable sulphur 183, 196, 197, 212
Carpocapsa pomonella 63
Ceratitis capitata 63
Cercospora sp. 387

®Ceresan 80
®Cerezin 40, 80, 81, 82
Chinomethionat 152, 386
Chlorbufam + cycluron 358, 386
Chlordane 131
Chlordane granular 386
Chlorfenvinphos 96, 344
Chlorinated hydrocarbons 95, 96, 129, 131, 384, 386, 388, 408
2-chloro-3-(4-chlorophenyl)-methyl-propionate 360, 363, 364
Chlorpropham 372
Chlorthion 28, 64, 74, 75, 77, 88, 114, 125, 128, 129, 130, 132
Chrysomyia albiceps 92
Chrysomyia chloropyga 92
Ciba C-9491 406
CIPC 372, 385
Cladosporium disease 282, 296
Cladosporium fulvum 163
CMA 386, 387
Cochliobolus miyabeanus 79, 81
Copper fungicides in hop-growing 162, 277, 283, 285, 287, 296, 297
Copper oxychloride 245, 290
Copper products in viticulture 159, 164, 268, 270, 271
Copper-zineb 156, 160
®Co-Ral 25
®Cupravit (Ob 21) 183, 270, 285—289, 291, 294, 296
Cycluron 385, 386
Cylindrosporium hiemalis 153
Cyprinus carpio 80, 81

D

2,4-D 5
Dacus oleae 63
DAM 116—118
®DDT 5, 27, 95, 275
DDVP 31, 114, 115, 119, 122, 125—128, 130, 132, 133
®Dedevap 31
®DEF 130, 133
Deiquat 385, 386
Delphacodes striatella 82
Demeton 344, 386, 398, 400, 401, 406, 415
Demeton-methyl 415
Demeton-O-methyl 401
Demeton-S-methyl 400, 401
Derris 101
DFP 108, 109, 118, 119, 131, 133
Diacetylmonoxime 116
O,O-dialkyl derivatives 396
Diazinon 96, 115, 118, 119, 125, 132, 344, 345, 386, 399, 400, 408, 409
Dibrom 344
Dicapthon 125
Dichlofenthion 96
Dichlofluanid 147—165, 257, 259
Dichlorodiphenyltrichloroethane 226, 231, 388
Dichlorphos 344
Dichlorvos 373—380, 404, 409
®Dicontal 77
Dieldrin 95, 96, 131
N-diethoxy-thiophosphoryl-phthalimide 85
1-(diethylamino-benzene-thio-phosphonyl)-2-methyl-imidazole 85
O-O-diethyl-O-(1-[2,4-dichloro-phenyl]-2,2-dichloro-vinyl)-phosphate 96
O,O-diethyl-O-(2,4-dichlorophenyl)-thionophosphate 96
Diethyl fluorophosphate 107
O,O-diethyl-O-(2-isopropyl-4-methylpyrimidyl-6)-thiono-phosphate 96
O,O-diethyl-O-(4-methylmercapto-3-methyl-phenyl)-thiono-phosphate 96
O,O-diethyl-O-(4-nitrophenyl)-thiophosphate 332
Diethyl-p-nitrophenyl-phosphate 107
Difolatan 162
Diisopropylfluorophosphate (DFP) 108
Dimefox 66, 114, 118, 119, 128
Dimethoate 88, 102, 115, 118, 119, 127, 128, 129, 133, 344, 386, 402, 408, 410
Dimethylamido-ethyl-cyanophos-phate 107
Dimethylaminosulphanilide 257
O,O-dimethyl-O-(2,2-dichlorovinyl)-phosphate 31, 373
Dimethyl fluorophosphate 107
O,O-dimethyl-O-(3-methyl-4-nitro-phenyl)-thiophosphate 332
O,O-dimethyl-O-(4-nitrophenyl)-thiophosphate 332

N,N-dimethyl-N'-phenyl-(N'fluorodichloromethylthio)-sulphamide 149
O-O-dimethyl-2,2,2-trichloro-1-hydroxyethyl-phosphonate 101
Dinocap 84, 182, 212, 226, 231, 305, 386, 387
Dioxathion 124—126, 128, 130, 344
Diplocarpon rosae 85, 163
®Dipterex 30—32, 65, 77, 114, 118, 122, 124, 125, 126, 128, 129, 130, 132, 133, 295
Dipterex MR 77
Dispersible sulphur 152
Disulfoton 344, 400, 401, 404, 407, 415
®Disyston 36, 72, 73, 75, 87, 88, 115, 122, 126, 129, 287
Disyston granular 36, 87, 283, 287, 291, 295
Dithiocarbamates 5, 159, 246, 302, 307, 309
Dithiocarbamic acid derivatives 147
Dithiophosphoric-O-ethyl-S,S-diphenyl ester 80
Dithiophosphoric-O,O-diethyl-S-methyl ester 86
Dithiophosphoric-S-alkyl esters 33—38
Ditylenchus dipsaci 74
DNOC 5, 385, 386
Dodine 153
Doralis fabae 20—22
Dowco 199 85
Drepanopeziza ribis 303
Drosophila melanogaster 355, 373
Dry seed dressings, mercurial 384
®Dursban 329

E

E 600 (Paraoxon) 19, 107
®E 605 14, 19, 23—27, 33, 34, 38, 63, 64, 74, 77, 107, 178, 327—352
E 605 Combi 77, 196, 209—211, 216, 295
E 605-Folidol 327—352
E 605 forte (conc.) 202, 209, 295
E 605 W.P. 208, 226, 231
®Ekatin 36
Endothion 118, 119
Endrin 386
EPN 21, 118, 125—133, 344
EPN 300 96
®Eradex 179, 180, 202, 205, 208
Erysiphaceae 150, 163
Erysiphe cichoracearum 151
Erysiphe graminis 83, 84, 151
Eserine (physostigmine) 19, 107
Ethion 118, 126, 344, 407
Ethylene thiuram monosulphide 151
Ethyl-Gusathion 178
O-ethyl-S,S-diphenyldithio-phosphate 317, 319
O-ethyl-O-(2,4,5-trichlorophenyl)-ethylthiophosphonate 332
ETM (ethylene thiuram monosulphide) 151
®Etrolene 102
®Euparen 147—165, 176, 178, 180, 182, 183, 188—217, 221—241, 242—254, 256—261, 262—275, 277, 282, 283—297, 302—305, 309—315
Euparen + Captan 228, 229, 232—235
Euparen + Morestan 178, 182, 183, 188—217, 222—224, 228—240
Euparen + Morestan + E 605 Combi 211, 216
Euparen + Morestan + Gusathion MS 211, 216
Euparen + Morestan + Unden 211, 216
Euparen + wettable sulphur 212
Experimental fungicide TH 184—F 86
Experimental product 4687 148
Experimental product 5114 148, 150, 151
Experimental product Dowco 199 85

F

Fenitrothion 327—352, 398, 399, 406, 410
Fensulfothion 344
Fenthion 344, 345, 400, 401, 405, 406, 410
Fentin-acetate 388
Ferbam 147
®Folidol M 327—352
Folidol Oil 209
®Folimat 73, 128, 179, 291, 295
®Folithion 29, 64, 75, 77, 112, 114, 128, 327—352
Folpet 147, 148, 151, 153, 156—160, 164, 230, 262—265, 267, 270, 271, 274, 290, 302—304

Formothion 132
Fuberidazol 322—326
Fumette 9
2-(2'-furyl)-benzimidazole 322
Fusarium moniliforme 87
Fusarium oxysporum 276, 282
Fusarium sp. 88, 322

G

®Gammaexane 5
®Gatnon 366, 369
Gloeosporium 152, 153, 183, 185, 196, 214, 216, 217, 223, 225, 230, 235, 236, 240, 242—244, 246—250
Gloeosporium album 242, 244
Gloeosporium fructigenum 244
Gloeosporium perennans 242, 244
®Gusathion 38, 62, 63, 72, 77, 115, 118, 125, 126, 128—131
Gusathion A 38, 62, 73, 128, 291, 293, 295
Gusathion H = Gusathion A
Gusathion MS 77, 196, 209—211, 216, 231
Gusathion W.P. 196, 209, 211

H

HETP 15
Hexaethyl tetraphosphate (HETP) 15
α-hexachlorocyclohexane 131
®Hinosan 40, 80, 81, 317—321
Hormodendrum sp. 81
Hydroxylamine derivatives 108
Hypoderma bovis 99—104
Hypoderma lineatum 99—104

I

®Imidan 406
Imidoxon 406
®Inejin 40, 83
Insecticidal organophosphates, metabolites of 396—411
IPC 366—372
Isopropyl-N-(3-chlorophenyl)-carbamate 372
Isopropyl-N-phenylcarbamate 366

K

Kelthane 386
®Kitazin 39, 82
Kitazin P 82

L

®Lebaycid 26—28, 62, 63, 75
Lime sulphur 152
Lindane 131, 386
Lindane + DDT 386
®Lonacol 222—224
Lonacol + Morestan 222—224
®Lucijet 26, 96, 104, 128
Lucilia cuprina 92
Lucilia sericata 92
®Lujet (S 1751) 96
Lyonetia clerkella 63

M

Malathion 33, 114, 115, 120, 125—133, 344—346, 402, 407, 410
Mancozeb 158, 310—312, 315
Maneb 147, 155, 156, 158, 159, 271, 302, 387
Menazon 88
Mercurial compounds, organic 384
Mercurial dry seed dressings 384
Merphos 126, 130, 133
®Mesurol 291, 294, 295
®Metasystox 34, 35, 70, 72, 73, 115, 118, 119, 122, 178, 202
Metasystox(i) 35, 70—72, 77, 179, 293, 295
Metasystox R 35, 71, 77, 87, 118, 128, 226, 231, 295
Metatetranychus ulmi 271, 274
N-methyl-N'-(2-benzothiazolyl)-urea 366
O-methyl-O-(3,4-dichlorophenyl)-methyl-thiophosphonate 332
S-methyl-fenthion 401
Methyl-Folidol 63
Methyl-Gusathion 178
Methylparaoxon 114
Methyl-parathion 20, 28, 74, 75, 112, 114, 115, 118, 119, 121, 125, 126, 128, 131, 133
Methyl-trithion 344, 345
Metiram 151
Mevinphos 115, 119, 120, 122, 125, 126, 344
MINA 116—118
Minacide 386
Mineral oil + diazinon 386, 387
Mineral oil + parathion 386, 387
®Mintacol 19, 107, 108
®Mipafox 114, 130, 132, 133
Monilia fructicola 85

Monoisonitroacetone 116
®Morestan 84, 152, 163, 175, 176, 178, 179, 180, 182, 183, 188—217, 222—240, 243
Morphothion 118
®Muscatox 24, 75

N

Nectria galligena 183, 242, 245
®Neguvon 32, 101, 104
Neguvon A 32
Neostigmine 108
Nephotettix cincticeps 81
Nicotine 5, 8, 16
®Nirosan 5
Nitrophenol (s) 5, 398

O

Octamethyl pyrophosphoramide (OMPA) 16
Oidium 155, 156, 387
Oidium tuckeri 156, 271
OMPA 16, 66
Organic mercurial compounds 384

P

PAM 58, 103, 116—121
Panonychus ulmi 178, 293
Papthion 133
Paraoxon 19, 107—109, 114, 118, 119, 131, 133, 327—352, 399
Parathion 4, 14, 19, 28, 96, 107, 108, 112, 114, 115, 118—133, 327—352, 386, 398, 399, 401, 406—410
Parathion + demeton 386
Parathion-methyl 327—352, 398, 399, 406, 410
PCNB 305
Pectinophora gossypiella 38
Pegomyia hyoscyami 63
Pegomyia nigritarsis 63
Pellicularia sasakii 79, 81
Perchloromethylmercaptan 147, 148
Peronospora destructor 163
Pestox III 16
Phenkapton 119
Phenothiazine 124
Phenyl mercurial acetate 80
Phenyl mercury chloride 151
Phomopsis viticola 262, 271, 275
Phorate 87, 114, 119, 125, 344, 400, 401, 407, 410
Phosdrin 32, 121
Phosphamidon 32, 119, 344, 386, 401, 402, 403, 406, 410
Phosphoric acid diethyl ester fluoride 12
Phosphoric aryl esters 18—30
Phosphoric enol esters 30—32
Phosphoric esters of nucleic acid type 45—51
Phosphoric-pentachlorophenyl ester-bis-dimethylamide 86
Phragmidium sp. 163
Physostigmine 19, 107
Phytomyza lappina 63
Phytophthora infestans 88, 151, 163
Phytophthora sp. 387
Piricularia oryzae 39, 79—82
Plasmopara sp. 147, 155
Plasmopara viticola 151, 155, 156, 262, 270
Podosphaera leucotricha 84, 151, 152, 175
Polychrosis botrana 63
Polyphosphoric acid derivatives 14—18
®Pomarsol 147
®Pomarsol forte (conc.) 175, 182, 216, 230, 231, 237—239, 259, 260
®Potasan 24, 65, 75, 114, 128, 133
Propham 366—372
Propineb 158, 262
Pseudoperonospora humuli 162, 276—280, 286, 288—290
Pseudopeziza ribis 155
Pseudopeziza sp. 147, 155
Pseudopeziza tracheiphila 157, 262, 270
Psylliodes chrysocephala 63
Pyrazon 385
Pyrethrin 5, 8
Pyridine-2-aldoxime (2-PAM) 116
Pyrophosphoric acid derivatives 14—18, 30
Pythium debaryanum 87
Pythium sp. 88

Q

Quinoxalines 178, 179

R

®Resitox 24
Rhagoletis cerasi 63
Rhizoctonia solani 86—88
Rhizopus nigricans 87
®Ronnel 29, 133
Rotenone 8, 101
®Ruelene 102

S

Sarin 108, 118, 133
Schradan 16, 66, 114, 119, 125, 126, 129, 131, 133
Seed dressings 384
S 1751 (Lujet) 96
Soman 118
Sphaerotheca humuli 162, 276, 280, 281
Sphaerotheca pannosa 151, 163
S 1752 (Tiguvon) 102
Sulfotepp 344, 355, 356, 358
®Systox 9, 34—36, 38, 67—73, 75, 87, 115, 119, 120, 122, 125—129, 131, 133, 178, 202

T

Tabun 118
TEPP 12, 15—17, 108, 119, 120, 128, 129, 131, 133
Termite Repellent K (see Agritox)
®Terracur P 26, 73, 74, 87, 128, 133
Tetradifon 386
O,O,O,O-tetraethyl-dithio-diphosphate 355
Tetraethyl pyrophosphate 14—16
Tetraethyl pyrophosphate (TEPP) 12, 15, 108
1,3,6,8-tetranitro-carbazole 5
Tetranychus cinnabarinus 307—315
Tetranychus urticae 293
Tetrasul 226
TH 184-F 86
Thiabendazol 162
®Thimet 36, 87
Thiocarbamates 270, 309
Thiometon 114, 122
Thiophos 19
Thiophosphoric-S-alkyl esters 33—38
Thiophosphoric aryl esters 18—30
Thiophosphoric-O,O-diethyl-S-benzyl ester 82
Thiophosphoric-O,O-diisopropyl-S-benzyl ester 82
Thiophosphoric-O-methyl-O-cyclohexyl-S-(4-chlorophenyl)-ester 81
Thiuram 257, 259
®Tiguvon 26, 102, 104
TMB-4 116—118
TMTD 147, 151, 153, 157, 160, 164, 259, 260, 302—305
®Toxogonin MERCK 58, 103, 116—121
Triallat 385, 386
Triazine 385, 386
Trichlorfon (trichlorphon) 344, 386, 404, 405, 410
N-trichloromethyl thio group (fungicides) 262
Trichloronat 327—332, 406
Tri-o-cresyl phosphate 131
®Tugon 32
®Tuzet 226

U

®Unden 196, 209—211, 216, 295
Uromyces caryophyllinus 307—315
®Ustinex PA 200

V

®VC 13 Nemacide 29
Venturia inaequalis 85, 151, 171, 221
Venturia pirina 151
Verticillium albo-atrum 87, 88, 276, 282
Verticillium dahliae 282
Vicia faba 151, 153, 245
®Voronit 322—326

W

®Warbex 102
®Wepsyn 39, 83, 84
Wettable sulphur 156, 163, 175, 176, 182, 196, 197, 211, 212, 225, 226, 237—239, 274, 275, 288, 291—293, 386, 387
WP 155 83
®Wuchsal 295

Z

Zinc carbamate 252
Zinc-containing organic fungicides 283
Zineb 147, 151, 153, 164, 224, 271, 274, 302, 310—315
Ziram 147, 151, 156, 230, 231

E. 81—7100/1723 Printed in Germany